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November 9, 2005

TO: Each Supervisor

FROM: Thomas L. Garthwaite, M.D.
Director and Chief Medical Officer

A handwritten signature in black ink, appearing to read "Thomas L. Garthwaite".

A handwritten signature in black ink, appearing to read "Jonathan E. Fielding".
Jonathan E. Fielding, M.D., M.P.H.
Director of Public Health and Health Officer

SUBJECT: 2005 WEST NILE VIRUS ACTION PLAN, FINAL REPORT

On March 8, 2005 we presented the Board our West Nile Virus (WNV) prevention and surveillance plan for 2005. This is the eighth and final monthly follow-up report describing WNV prevention and surveillance activities in 2005.

Since our last update in October, nine new cases of WNV infection were confirmed; a total of forty-one human WNV cases have been identified as of November 4, 2005. These cases include: twelve encephalitis, fifteen meningitis, nine WNV Fever, and five asymptomatic blood donors. Sixteen cases are located in the San Fernando Valley, twelve are from eastern County, six are from the South Bay, four are from the San Gabriel Valley, two are from South Los Angeles, and one is from West Los Angeles. Since the first confirmed WNV case on August 9, the Acute Communicable Disease Control Program has posted biweekly updates on Tuesdays and Fridays on the Department of Health Services' website showing the location of WNV-infected birds and the number of confirmed WNV human cases (<http://lapublichealth.org/acd/index.htm>). To date, there have been no reported human deaths due to WNV infection. Ten confirmed horse infections have been reported. One hundred fifty-nine WNV-infected dead birds and seventy-three sentinel chickens have shown evidence of WNV infection, including those in Long Beach. Two hundred seventeen WNV-infected mosquito pools have been detected, including those in Long Beach.

We expect that most 2005 WNV cases have either been reported or acquired by this time and the risk of being infected with WNV will remain very low throughout the remaining part of 2005. By Spring of 2006, mosquito populations and outside temperatures will increase. In

Each Supervisor
November 9, 2005
Page 2

February 2006, WNV planning and collaboration with local mosquito abatement districts, the State of CA Department of Health Services, and other local agencies will begin again . By March 2006, we expect that our WNV Surveillance and Health Education plans will be updated for the upcoming season. It is difficult to predict the extent and severity of future WNV disease within Los Angeles County; however, most vector-borne disease experts predict that WNV will remain the most important mosquito-borne disease for the foreseeable future in California. In the meantime, if you have any questions or need additional information, please let either of us know.

TLG:JEF:RC:sc
502:011 REF 2813 (A007LM2005 #8)

Attachment

c: Chief Administrative Officer
County Counsel
Executive Officer, Board of Supervisors



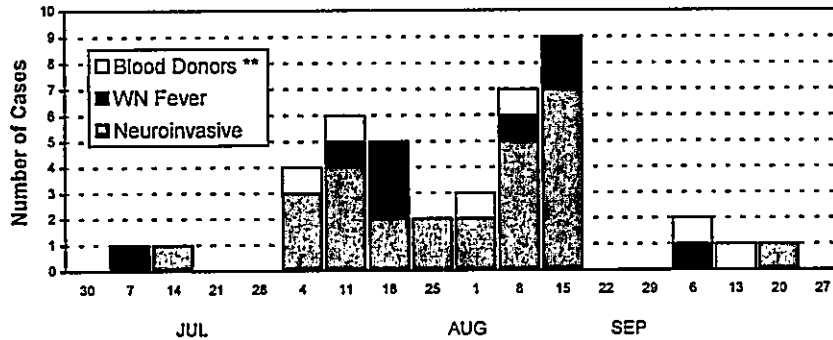
WEST NILE VIRUS: Epidemiology Report

Cumulative Totals – November 3, 2005

West Nile Virus Case Characteristics - Los Angeles County, 2005 ¹										
	Total #	Information Unknown ²	Clinical Presentation						Demographics	
			Blood Donor	WN Fever	Neuro-invasive	Neuroinvasive Diagnosis	Hospitalized ³	Deaths	Gender (M / F)	Median Age (range)
TOTAL to date ⁴	41	0	5	9	27	12 = Encephalitis 15 = Meningitis 0 = Acute Flaccid Paralysis	29	0	22 / 19	54 yrs (4-89 yrs)

1. Excludes cases in Long Beach and Pasadena. Totals are provisional and subject to change.
2. Cases reported positive but clinical and demographic information is pending.
3. Hospitalized at time of diagnosis and may not reflect current clinical status.
4. Cumulative case total as of Thursday 11/03/05, 4pm.

West Nile Disease Cases by Week of Symptom Onset *
Los Angeles County, 11/03/05
(N=41)



* Week of case confirmation does not necessarily reflect the week of illness onset. In 2004, LAC WNV cases were confirmed an average of 22 days after illness onset.
** Blood donors listed by date of donation.

West Nile Virus: Case Count by Service Planning Area (SPA)
Los Angeles County, 11/03/2005

LOCATION	TOTAL to date ¹
SPA 1: Antelope Valley	0
SPA 2: San Fernando	16
SPA 3: San Gabriel	4
SPA 4: Metro	0
SPA 5: West	1
SPA 6: South	2
SPA 7: East	12
SPA 8: South Bay	6
Residence Unknown ²	0
TOTAL³	41

- Totals are provisional and subject to change.
- Demographic information is excluded or pending.
- Cumulative case total as of Thursday 11/03/05, 4pm.

Dead Birds Identified with West Nile Virus by ZIP Code
Los Angeles County, 2005
(as of 11/03/2005)

